

Practical Rock Physics and Inversion for Exploration and Production

FORCE Seminar organised by the Geophysical Network Group
Stavanger, 17th October 2017

08:30 Registration

08:55 Welcome and Introduction

09:00 Unmeasurable aspects of seismic data and implications for QI
Key note speaker: Pat Connolly

09:25 Isotropic versus Anisotropic AVO. Is it a hazard or an exploration tool?
Anthony Fogg (Arun Geoscience Ltd)

09:50 Refreshments / networking

10:20 Joint presentation on Edvard Grieg:
Edvard Grieg post-stack inversion
Helene Haram (OMV)
Deciphering the seismic AVO response of the reservoir at Edvard Grieg
Odd Kolbjørnsen (Lundin)

11:05 Comparison of one- and two-step seismic inversion for Lithology and Fluid prediction
Per Røe (Norsk Regnesentral)

11:30 Pcube inversion – connecting rock physics and seismic amplitudes
Øyvind Skjæveland (STATOIL)

11:55 Lunch

12:55 From loose grains to stiff rocks - The rock-physics "life story" of a clastic sediment, and its significance in QI studies
Key note speaker: Per Avseth

13:20 Simplified Rock Physics and seismic modelling for explorationists
Espen Oen Lie (Geocore)

13:45 Exploring the ability to quantify reservoir parameters from seismic inversion data using Inverse Rock Physics Modelling
Åsmund Drottning (RPT)

14:10 Refreshments / networking

14:40 Model Multiplication to Explore Uncertainty in AVA Amplitude Interpretation
Joanna Wallis (SIP)

15:05 Geological controls on the petro-elastic behaviour of carbonate pore systems: an application to Late Paleozoic carbonates
Daniela Mastellone (Eni)

15:30 Facies-based Reservoir Characterisation through the Asset lifecycle
Michael Kemper (Ikon Science)

15:55 Closing notes

16:10 End Seminar